



2167
IFW
ATTORNEY DOCKET NO. 21101.0049U2
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)	
)	
Sanchez et al.)	Art Unit: Unassigned
)	
Application No.)	Examiner: Unassigned
10/532,198)	
)	
Intl Filing Date:)	Confirmation No. 8394
October 22, 2003)	
)	
For: MANAGING BIOLOGICAL)	
DATABASES)	

INFORMATION DISCLOSURE STATEMENT

Mail Stop AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

NEEDLE & ROSENBERG, P.C.
Customer Number 23859

Sir:

Pursuant to the requirements of 37 C.F.R. § 1.56, submitted herewith on the accompanying Information Disclosure Statement List is a listing of documents known to Applicants and/or their attorneys. In accordance with 37 C.F.R. §1.98(a)(2), copies of any cited U.S. patent or U.S. patent application publication documents are not enclosed. Copies of any cited foreign patent document and/or any non-patent publication are enclosed.

This Information Disclosure Statement is believed to be filed in a timely manner pursuant to 37 C.F.R. § 1.97(b)(3), in that a first Office Action on the merits of the present patent application has not yet been mailed to Applicants.


ATTORNEY DOCKET NO. 21101.0049U2
Application No. 10/532,198

Consideration of the cited documents and making the same of record in the prosecution of the above-referenced application are respectfully requested.

No fee is believed due; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0629.

Respectfully submitted,

NEEDLE & ROSENBERG, P.C.

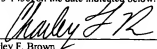


Charley F. Brown
Registration No. 52,658

NEEDLE & ROSENBERG, P.C.
Customer Number 23859
(678) 420-9300
(678) 420-9301 (fax)

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence, including any items indicated as attached or included, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.



Charley F. Brown

7/28/06

Date



INFORMATION DISCLOSURE STATEMENT LIST

(Use as many sheets as necessary)

Complete if Known

Application Number	10/532,198
Filing Date	10/22/03
First Named Inventor	Sánchez
Group Art Unit	Unassigned
Examiner Name	Unassigned

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
/S.H./	A1	US 2002/0102604 A1	08/1/2002	Edwards et al.			
	A2	US 2002/0072865 A1	06/13/2002	Hogue et al.			
	A3	6,363,399 B1	03/26/2002	Maslyn et al.			
	A4	6,303,297 B1	10/16/2001	Lincoln et al.			

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation	Yes/No

NON-PATENT DOCUMENTS

Examiner's Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)
	A5	Adoutte et al., "Animal evolution. The end of the intermediate taxa?" <i>Trends. in Genet.</i> 15(3):104-108 (1999)
	A6	Agata and Watanabe, "Molecular and cellular aspects of planarian regeneration." <i>Semin. Cell Dev. Biol.</i> 10:377-383 (1999)
/S.H./	A7	Altschul et al., "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs." <i>Nucleic Acids Res.</i> 25(17):3389-3402 (1997)
/S.H./	A8	Altschul et al., "Basic Local Alignment Search Tool." <i>J. Mol. Biol.</i> 215:403-410 (1990)
	A9	Baguña and Romero, "Quantitative analysis of cell types during growth, degrowth and regeneration in the planarians <i>Dugesia mediterranea</i> and <i>Dugesia tigrina</i> " <i>Hydrobiologia</i> 84:181-194 (1981)
	A10	Benazzi et al., "The Fissiparous Race of the Planarian <i>Dugesia lugubris</i> S.L. Found in Barcelona (Spain) Belongs to the Biotype G: Comparative Analysis of the Karyotypes." <i>Caryologia</i> 25(1):50-68 (1972)
	A11	Benfey P.N., "Stem cells. A tale of two kingdoms." <i>Curr. Biol.</i> 9:R171-R172 (1999)
	A12	Cebrià et al., "FGFR-related gene <i>non-durake</i> restricts brain tissues to the head region of planarians." <i>Nature</i> 419:620-624 (2002)
	A13	Frishman et al., "Combining diverse evidence for gene recognition in completely sequenced bacterial genomes." <i>Nucleic Acids Res.</i> 26(12):2941-2947 (1998)
	A14	Gschwendtner et al., "Stem cells in a basal bilaterian. S-phase and mitotic cells in <i>Convolutriloba longifissura</i> (Acoela, Platyhelminthes)." <i>Cell Tissue Res.</i> 304:401-408 (2001)
	A15	Henry et al., "The Unique Developmental Program of the Acoel Flatworm, <i>Neochelonia fusca</i> ." <i>Dev. Biol.</i> 220:285-295 (2000)

Examiner Signature: Son Hoang (07/22/2008) Date Considered: 07/22/2008

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.H./



INFORMATION DISCLOSURE STATEMENT LIST

(Use as many sheets as necessary)

Complete if Known	
Application Number	10/532,198
Filing Date	10/22/03
First Named Inventor	Sánchez
Group Art Unit	Unassigned
Examiner Name	Unassigned

/S.H./	A16	Jackson et al., "Improving Cluster Utilization Through Set Based Allocation Policies," presented at Proceedings International Conference on Parallel Processing, Valencia, Spain (2001)
	A17	Kyrpides and Olsen, "Archael and bacterial hyperthermophiles: horizontal gene exchange or common ancestry?" <i>Trends in Genet.</i> 15(8):298-299 (1999)
	A18	Ladurner et al., "Spatial Distribution and Differentiation Potential of Stem Cells in Hatchlings and Adults in the Marine Platyhelminth <i>Macrostomum</i> sp.: A Bromodeoxyuridine Analysis." <i>Dev. Biol.</i> 226:231-241 (2000)
	A19	Lander et al., "Initial sequencing and analysis of the human genome." <i>Nature</i> 409:860-921 (2001)
/S.H./	A20	Lawrence and Reilly, "An Expectation Maximization (EM) Algorithm for the Identification and Characterization of Common Sites in Unaligned Bipolymer Sequences." <i>PROTEINS: Structure, Function, and Genetics</i> 7:41-51 (1990)
/S.H./	A21	Lawrence et al., "Detecting Subtle Sequence Signals: A Gibbs Sampling Strategy for Multiple Alignment," <i>Science</i> 262:208-214 (1993)
	A22	Lillie, F. R., "Some Notes on Regeneration and Regulation in Planarians." <i>Am. Nat.</i> 34:173-177 (1900)
/S.H./	A23	Liu and Lawrence, "Bayesian Inference on biopolymer models." <i>Bioinformatics</i> 15(1):38-52 (1999)
/S.H./	A24	Liu et al., "Bayesian Models for Multiple Local Sequence Alignment and Gibbs Sampling Strategies." <i>Journal of the American Statistical Association</i> 90(432):1156-1170 (1995)
/S.H./	A25	Liu et al., "Markovian Structures in Biological Sequence Alignments." <i>J. Amer. Stat. Assoc.</i> 94(445):1-15 (1999)
	A26	Martin and Orkin, "Transcriptional activation and DNA binding by the erythroid factor GF-1/NF-E1/Eryf 1." <i>Genes & Development</i> 4:1886-1898 (1990)
	A27	McCue et al., "Phylogenetic footprinting of transcription factor binding sites in proteobacterial genomes." <i>Nucleic Acids Res.</i> 29(3):774-782 (2001)
	A28	Neuwald et al., "Gibbs motif sampling: Detection of bacterial outer membrane protein repeats." <i>Protein Science</i> 4:1618-1632 (1995)
	A29	Newmark and Sánchez, "Bromodeoxyuridine Specifically Labels the Regenerative Stem Cells of Planarians." <i>Dev. Biol.</i> 220:142-153 (2000)
	A30	Newmark and Sánchez, "Not your father's planarian: a classic model enters the era of functional genomics." <i>Nat. Rev. Genet.</i> 3:210-219 (2002)
	A31	Omichinski et al., "NMR Structure of a Specific DNA Complex of Zn-Containing DNA Binding Domain of GATA-1." <i>Science</i> 261:438-446 (1993)
	A32	Orkin, S.H., "Regulation of globin gene expression in erythroid cells." <i>Eur. J. Biochem.</i> 231:271-281 (1995)

Examiner Signature: Son Hoang (07/22/2008)

Date Considered:

07/22/2008

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.H./

INFORMATION DISCLOSURE STATEMENT LIST

(Use as many sheets as necessary)

Complete if Known

Application Number	10/532,198
Filing Date	10/22/03
First Named Inventor	Sánchez
Group Art Unit	Unassigned
Examiner Name	Unassigned

	A33	Robb and Sánchez, "Identification of Immunological Reagents for Use in the Study of Freshwater Planarians by Means of Whole-Mount Immunofluorescence and Confocal Microscopy." <i>Genesis</i> 32:293-298 (2002)
	A34	Romero and Bagaña, "Quantitative cellular analysis of growth and reproduction in freshwater planarians (Tubellaria; Tricladida). I. A cellular description of the intact organism." <i>Invert. Reprod. Dev.</i> 1998:157-165 (1991)
	A35	Rubin et al., "Comparative Genomics of the Eukaryotes." <i>Science</i> 287:2204-2215 (2000)
	A36	Sachidanandam et al., "A map of human genome sequence variation containing 1.42 million single nucleotide polymorphisms." <i>Nature</i> 409:928-933 (2001)
	A37	Sánchez and Newmark, "Double-stranded RNA specifically disrupts gene expression during planarian regeneration." <i>Proc. Natl. Acad. Sci. USA</i> 96:5049-5054 (1999)
/S.H./	A38	Sanchez et al., "The <i>Schmidtea mediterranea</i> database as a molecular resource for studying platyhelminthes, stem cells and regeneration." <i>Development</i> 129:5659-5665 (2002)
	A39	Sánchez and Newmark "The use of planarians to dissect the molecular basis of metazoan regeneration." <i>Wound Rep. Regen.</i> 6:S-413-S-420 (1998)
	A40	Stanhope et al., "Phylogenetic analyses do not support horizontal gene transfers from bacteria to vertebrates." <i>Nature</i> 411:940-944 (2001)
	A41	Stomo and Hartzell, "Identifying protein-binding sites from unaligned DNA fragments." <i>Proc. Natl. Acad. Sci. USA</i> 86:1183-1187 (1989)
	A42	Toledo et al., "IN VITRO CULTURE OF <i>TAENIA CRASSICEPS</i> LARVAL CELLS AND CYST REGENERATION AFTER INJECTION INTO MICE." <i>J. Parasitol.</i> 83(2):189-193 (1997)
	A43	Umesono et al., "A planarian <i>orthopedia</i> homolog is specifically expressed in the branch region of both the mature and regenerating brain." <i>Dev. Growth Differ.</i> 39:723-727 (1997)
	A44	Wasserman et al., "Human-mouse genome comparisons to locate regulatory sites." <i>Nature Genetics</i> 26:225-228 (2000)
/S.H./	A45	Williams and Zobel, "Indexing and Retrieval for Genomic Database." <i>IEEE Transactions on Knowledge and Data Engineering</i> 14(1):63-78 (2002)

Examiner Signature: Son Hoang/ (07/22/2008) Date Considered: 07/22/2008

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.H./